

## Photometric Plan

1. ~~Photometric calculations detailing all exterior security lighting, shall be submitted and provided on a fifty percent (50%) screened landscape plan that has been approved by the Design Review Board, drawn on twenty four (24) inch by thirty six (36) inch format prepared to scale. Point to point photometric calculations shall be calculated at intervals of not more than ten (10) feet at ground level and may also be required at six (6) feet above finish grade. A copy of all cut sheets for light fixtures shall be submitted and marked as to which information and data applies to the specific luminaire, including the lamp manufacturer.~~
2. ~~Include light fixture schedule on photometric plan. Photometric calculations detailing all exterior security lighting, shall be submitted and provided on a copy of a landscape plan that has been approved by the Design Review Board, drawn on twenty four (24) inch by thirty six (36) inch format prepared to scale. The landscape site plan shall be fifty (50) percent screened. Point to point photometric calculations shall be calculated at intervals of not more than ten (10) feet at ground level and may also be required at six (6) feet above finish grade.~~
3. ~~A copy of all cut sheets for light fixtures shall be submitted and marked as to which information and data applies to the specific luminaire, including the lamp manufacturer.~~
- 3.4. Photometric calculations shall be based on the "mean" light output per the manufacturer's of the specified lamp, including ballast depreciation and contamination factors. Light Loss Factor (LLF) shall be calculated at .68 for Metal Halide (MH) and .72 for High Pressure Sodium (HPS). All luminary photometric data formatted in accordance with the Illumination Engineering Society (I.E.S.) file compiled by an approved testing laboratory.
4. ~~Photometric studies submitted to the City of Tempe's Development Services Department for approval by Building Safety and Planning will include a statement indicating that no equipment substitutions shall be installed without prior approval of the City. In specifications that include more than one specified manufacturer per site will require a photometric study from each manufacturer specified.~~
5. ~~The Consulting Engineer or Lighting Consultant shall provide the City of Tempe's Development Services Department with a letter of certification from the firm certifying the inspection. The letter will provide the date and time of the inspection and the name of the inspector. It will also include a statement certifying the approved fixtures were correctly installed, no landscape conflicts exist and the foot-candle levels and uniformity approved by the City's Development Services Department for the specific site have been matched or exceeded at all locations on the site.~~
6. ~~In the case of a Consulting Engineer, a Professional Engineer registered in the State of Arizona shall stamp the letter of certification. Lighting Consultants issuing the letter of certification shall provide proof of Lighting Certification (LC) status as defined by The National Council on Qualifications for the Lighting Professionals (NCQLP) as well as proof of liability insurance.~~

*(These changes are proposed to reflect the way photometric plans and studies are administered in the City of Tempe.)*